

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BIO-RITE #52
CHEMICAL FAMILY: QUATERNARY AMMONIUM COMPOUND
PHYSICAL HAZARD: NONE
HEALTH HAZARD: EYE & SKIN HAZARD
HAZARD RATINGS: **HEALTH:** 2
FLAMMABILITY: 0
REACTIVITY: 0

NUMBER: DMN-281
REVISED: 8/25/93

DAMON INDUSTRIES, INC.
BOX 2120, ALLIANCE, OH 44601

24 HOUR EMERGENCY ONLY PHONE: 1-800-535-5053

0 = Insignificant
1 = Slight
2 = Moderate

3 = Serious
4 = Severe

INFORMATION PHONES: 1-800-362-9850
OR 330-821-5310
FAX: 330-821-6355

D.O.T. HAZARD CLASS: DISINFECTANTS, CORROSIVE LIQUID N.O.S., 8, UN 1903, II.

SECTION 2 - HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>	<u>TWA</u>	<u>STEL</u>	<u>CEILING</u>
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7137-51-5	20%	-	-	-
ETHANOL	64-17-5	2 - 10%	1000 ppm-	-	-

THE BALANCE OF INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER CFR 29 1910.1200.

NONE OF THE INGREDIENTS ARE LISTED AS CARCINOGENS BY N.T.P., I.A.R.C. OR OSHA.

SECTION 3 - PHYSICAL DATA

BOILING POINT: 212° F.
SPECIFIC GRAVITY: .98
VAPOR PRESSURE: SAME AS WATER
PERCENT VOLATILES: 80%
VAPOR DENSITY: SAME AS WATER
EVAPORATION RATE: 1 (WATER=1)
SOLUBILITY IN WATER: COMPLETE
pH: 7.0 ± 0.5
APPEARANCE AND ODOR: COLORLESS LIQUID - SLIGHT ODOR.

UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. REMOVE CLOTHING CONTAMINATED WITH CONCENTRATE AND LAUNDRER BEFORE RE-USE.

INGESTION: DO NOT INDUCE VOMITING. DILUTE BY GIVING A GLASS OF WATER OR MILK TO DRINK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. TREAT FOR SHOCK BY KEEPING WARM AND QUIET. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: IF AFFECTED, MOVE PERSON TO FRESH AIR. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 130° F ASTM D-56 CLOSED CUP
LOWER EXPLOSIVE LIMIT: NOT APPLICABLE.
UPPER EXPLOSIVE LIMIT: NOT APPLICABLE

EXTINGUISHING MEDIA: WATER
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION 7 - SPECIAL PRECAUTIONS

SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND MAY BE HAZARDOUS. OBSERVE ALL PRECAUTIONS GIVEN IN THIS DATA SHEET.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: A GALLON OR LESS MAY BE WASHED TO SEWER WITH A LARGE AMOUNT OF WATER.

LARGE SPILL: DIKE TO PREVENT ENTRY INTO SEWER. PUMP OR COLLECT MATERIAL INTO CLEAN DRUMS.

WASTE DISPOSAL METHOD: SEWER IF ALLOWED OR APPROPRIATE LANDFILL. COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE **INCOMPATIBILITY:** STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: NITROUS OXIDE AND AMMONIA
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 6 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV): NONE KNOWN
PRIMARY ROUTES OF ENTRY:
 THROUGH SKIN INHALATION INGESTION

EFFECTS OF OVEREXPOSURE:

EYES - CONCENTRATE CAN CAUSE EYE DAMAGE. DILUTIONS CAUSE IRRITATION & REDNESS.

SKIN - CONCENTRATE CAUSES IRRITATION. DILUTIONS MAY CAUSE IRRITATION, REDDENING, DERMATITIS.

SWALLOWING - MAY RESULT IN DAMAGE TO MUCOUS MEMBRANES.

BREATHING - EXCESSIVE INHALATION OF CONCENTRATE VAPORS OR SPRAY MIST MAY CAUSE IRRITATION.

FIRST AID PROCEDURES:

EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING

SECTION 8 - PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: NONE UNDER EXPECTED USE CONDITIONS.

VENTILATION: GOOD ROOM VENTILATION.

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: RUBBER.

EYE PROTECTION: IF EYE CONTACT IS POSSIBLE, THE WEARING OF SAFETY GLASSES WITH SIDE SHIELDS (ESPECIALLY FOR CONTACT LENSE WEARERS) IS REQUIRED WITH CONCENTRATE AND ADVISABLE WITH DILUTIONS.

OTHER PROTECTIVE EQUIPMENT: NONE.

OTHER REGULATORY INFORMATION

THE COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.